

ABSTRACT OF THE DISCLOSURE

An integrated component mounting system that includes a component mounted to a shaft and secured in place by a nut. The component and the nut each define respective annular shaped surfaces. The shaped surfaces are each inclined at a similar angle and are arranged for sliding contact with respect to each other. As the nut is tightened on the shaft, the shaped surface of the nut exerts both radial and axial forces on the shaped surface of the component, thereby automatically centering the component radially on the shaft as well as securing the component at a desired location along the shaft.